

Andy Wang

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Cambridge, MA
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EDUCATION

Massachusetts Institute of Technology

Cambridge, MA
Candidate for BS in Mathematics, Computer Science
GPA: 4.5 / 5.0
Expected Graduation: June 2018

Coursework:

Algorithms	E&M Physics
Computer Architecture	Intro to EECS
Software Construction	Real Analysis
Architectural Computation	Abstract Algebra

SKILLS

Web Development

- HTML/CSS, Javascript, JQuery, Java, Python
- Familiarity with front-end frameworks such as Meteor, Node.js

Programming and Modeling Tools

- Unix / Linux, Bash, Eclipse, Git, Sublime Text
- Rhino, AutoCAD, Form 3D Printing

PROJECTS

MyoMIDI - HackMIT

Fall, 2015

- Control Pitch, Volume, etc on MIDI music using simple arm movements
- Written with Myo Armband API, Tkinter GUI tools, port listening, processing MIDI protocols

MangaScraper

Fall, 2015

- Scrape hundreds of Manga chapters for reading offline with URLLib Python library

TripPlanner

Summer, 2015

- Visualize your Trip Planning (TripPlanner2000.meteor.com/paths)
- Written with Meteor framework, Google Maps API, ReactJS

Battlecode

Winter, 2014

- Artificial Intelligence to compete against other teams in Starcraft-like games

WORK EXPERIENCE

Move Your Glass

MIT Media Lab, Cambridge, MA

Google Glass Developer @ Fluid Interfaces Lab

Fall, 2015

- Deep Learning and Computer Vision on Google Glass to detect objects and text
- Behavioral studies on potential users

INRIA Seismic Imaging Internship

Pau, Aquitaine, France

Applied Mathematics Intern

Summer, 2015

- Authored paper on Discontinuous Galerkin Method for simulating underground wave propagation
- Communicated in French with coworkers

Waterline Data Science Startup

Mountain View, CA

Software Engineering Intern

Summer, 2014

- Quality Assurance / Debugging
- Wrote Java code in Eclipse using various API's such as Javax Persistence, Hadoop, Maven.

"Quick Detection and Prevention Circular Redirects and DDOS Attacks"

San Jose, CA

Coauthored research paper

Summer, 2013

- Real time solution detects and stops Circular Redirect, Distributed Denial of Service attacks.
- Implemented Tarjan's Strongly Connected Components algorithm to stop CR contained in single websites.

AWARDS

Programming:

- USA Computing Olympiad Gold Division
- Solved 437 problems on Project Euler

Mathematics

- USA Mathematical Olympiad (USAMO)

Science

- United States National Physics Olympiad (USAPhO) Semifinalist